

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056769 A2

(51) International Patent Classification⁷: C07D 209/00

(21) International Application Number:
PCT/EP2003/050992

(22) International Filing Date:
12 December 2003 (12.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02406128.5 20 December 2002 (20.12.2002) EP

(71) Applicant (for all designated States except US): CIBA
SPECIALTY CHEMICALS HOLDING INC. [CH/CH];
Klybeckstrasse 141, CH-4057 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BERENS, Ul-
rich [DE/DE]; Im Unterwörth 38a, 79589 Binzen (DE).
DOSENBACH, Oliver [DE/DE]; Kirchstrasse 2, 79415
Bad Bellingen (DE). SPRENGER, Daniel [CH/CH];
Schwarzwaldallee 255, CH-4058 Basel (CH).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

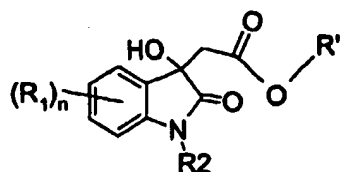
Published:

— without international search report and to be republished
upon receipt of that report

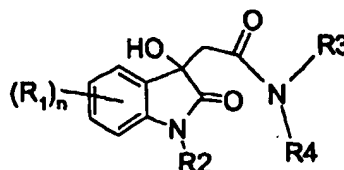
For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2004/056769 A2

(54) Title: SYNTHESIS OF AMINES AND INTERMEDIATES FOR THE SYNTHESIS THEREOF



(I)



(II)

(57) Abstract: The invention relates in a first embodiment to a method for the manufacture of esters of the formula (I), or especially of amides of the formula (II), wherein the symbols have the meanings given in the specification, as well as other intermediates and compounds useful in the synthesis of tryptamines and other substances mentioned in the title. The synthesis methods and intermediates are useful in the synthesis of pharmaceuticals.